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316 worked at Kitai (Ku-cheng), Sui-lai, Kucha and Aksu. Table IV shows the general distribution of coal reserves and their production.

c. Reported Fissionable Materials

It has been reported that fissionable materials such as uranium and thorium are produced in Sinkiang province.

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(648) It is even rumored that the province is being built up into an atomic arsenal for Soviet Russia and Communist China, although no definite information is available. Perhaps this is an exaggeration, for present means of communication and transportation are below the minimum that would be required for running the complicated machinery necessary for atomic plants. Nevertheless it is pointed out that "... in the city of Arason (A-shan), Ili county, an abundant amount of wolfram and uranium is mined. In Conca (Ku-ch'eng), Urumchi country, uranium is mined. It is reported that in a concealed mine at Ulugcat city on the Russian border of Kasgar (Kashgar), thousands of persons were occupied with mining. Copper, gold, and oil were obtained from the Ulugchat area, and the concealed mining activities show that there are also mined some strategic minerals. (Bughra, Mehmet Emin: Doghu Turkestan, pp. 84-85).

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377 d. Hydroelectric Power:

Except for the thermoelectric plants of Sian, Lanchow, and Urumchi, no hydroelectric power is known to be in existence in the four provinces of Northwest China. It was reported the Urumchi power plant can produce forty percent more electricity than the sum total produced in Sinkiang province prior to the recommission of the plant in December, 1953. While this, on the one hand, indicates the intensified production of electricity production in the provincial capitals, like Urumchi, it shows on the other the limited development of electric power plants in the region of the whole Northwest. A power generator was recently installed in Urumchi, and another at Ulapo in the province of Sinkiang. (KM Sept. 15, 1955). However, a gigantic scheme of water power development is planned along the mid-Yellow River course.

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(377) According to Li Jui, a member of the Yellow River planning commission, a plan to tame and exploit the Yellow River, by building forty-six dams from the Lung-yang gorge above Kueiteh in eastern Chinghai and San-men (in west Honan) gorge below Tung-kuan of eastern Shensi for hydroelectric development and irrigation, was passed by the National People's Congress on July 30, 1955. (Li Jui: China's Sorrow will be no more - the Taming and Exploiting of the Yellow River, People's China, August 6, 1955, pp. 9-15). The actual work of the plan to harness the Yellow River was started in 1954. The plans call for two large hydro-power stations to be built, one at Liu-chia

433 increase of 11.5 percent in the combined areas of Inner Mongolian, Sinkiang, and T'ung Autonomous Area in Kweichow. (KM. October 4, 1955). Supposing the increase in Sinkiang was ten percent which owing to the heavy natural disasters in 1954 is probably too high an estimate, it would mean 1.76 million tons of food stuffs in 1954, i.e. about 430 catties per head. In this context, a report which claimed that food production is 747 catty per head was published (KM. September 15, 1955).

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185 Soil conservation is just as important as water conservation in land reclamation in arid and semi-arid areas. Human survival in Sinkiang for over 2,000 years has been involved in a continual fight against the aridity of the climate and the central Asiatic agricultural alkali, salt-saturated soil. Every year's floods convert even hitherto fertile lands into alkali, sterile soil. There are "Kariz" wells which are connected by underground canals, reaching a total length of 2,500 km. between Hami and Turfan only. This is evidently a means of combating the impermeability of the soil, which makes surface irrigation harmful.

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653 According to 1954 Government Reports, 50,000 long or short canals with a total length of 30,000 km. have been repaired by the Army and by the people. (PD. August 28, 1955). In an October 1955 report: 1,600 canals are under repair and also 1,500 wells have been added (PD. October 21, 1955).

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185 Large scale irrigation and water conservancy work are at present in the state of planning only: survey works are going on at the Manas and Urumchi Rivers and at the Turfan Basin for the future building of larger irrigation works and hydraulic power stations. (PD. October 31, 1955). But to fight against alkali soil will remain a continuous problem in land reclamation in Sinkiang as well as elsewhere in the arid and semi-arid Northwest of China. It was reported in 1955 that 300,000 mou of alkali land were reclaimed around Chigalik Lake in the northeast Hami area, and southwest Aksu. Rice has been planted in the former too, and cotton in the latter area. How long will the newly reclaimed land reclaim productive under the ever-increasing accumulation of alkali in the soil is still a problem which remains to be solved.

2. Soldier Colonization

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466 Although no data concerning the exact number of Chinese soldiers in Sinkiang are available, the figures must be enormous - judged by the gigantic work undertaken by Chinese soldiers under the name of "Production and Construction Troops of the Sinkiang Military Area." One million one hundred thousand mou (166,000 acres) of the three million mou extended arable land during the period 1949-55 are due to the labor of the Army

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An April 18, 1955, despatch reports: "The People's Liberation Army in Sinkiang has started spring sowing on the plains north and south of the T'ien-shan Mountains. Crops already sown include spring wheat, oil-bearing plants and long staple cotton. The army men are experimenting with the cultivation of long staple cotton in the Turfan Basin, where favorable conditions exist. This year the PLA farming units will cultivate over 66,000 hectares, or thirteen percent more than last year. More than half of the land will be ploughed by tractors. Adequate supplies of chemical fertilizer and insecticides are on hand."

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A June 3, 1955, despatch reports: "The largest reservoir in Sinkiang is being enlarged this month by engineering units of the People's Liberation Army stationed in Sinkiang. When completed, the Men-chin reservoir, north of Urumchi, will have a storage capacity of sixty million cubic meters of water which can be used for irrigation."

An October 31, 1955 despatch reports: "A leading part has been played by the People's Liberation Army in irrigation works in Sinkiang. With their help, the peasants have constructed nine reservoirs, repaired irrigation canals and ditches, totaling 30,000 kilometers in length, built hundreds of new canals and added more subterranean waterways, a form of irrigation traditionally used in the region. In addition, the People's Liberation Army units have built and expanded works capable of irrigating 200,000 hectares, mostly farmed by local peasants. The army men also reclaimed over 73,000 hectares of wasteland and set up twenty-nine mechanized state farms."

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A November 3, 1955, despatch reports: "Manass Basin Agricultural Production Construction Troops of Sinkiang Military District of the People's Liberation Army plan to grow cotton in an area of 202,000 mou next year, one hundred forty-six percent larger than this year. These troops are now actively undertaking the preparatory works."

A December 24, 1955, despatch reports: "A new mechanized farm has been built in the Manass Basin by PLA. It has some 10,000 hectares of well irrigated farmland, part of which has already been sown in winter wheat. They plan to supply the state with nine thousand tons of grain and twenty-eight hundred tons of cotton next year."

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The constitution of the so-called People's Liberation Army in Sinkiang has not been disclosed. But to use the regular army as a labor force in peace time is, to say the least, forced labor in disguise. (See section Forced Labor of General Handbook).

III. Conscript Labor